Quick change electrical coupling.

A quick change coupling for a hostile environment which ensures alignment of electrical connectors carried therein, comprising: male coupling component means (12); female coupling component means (14) including coupling body means (120) and coupling sleeve means (100) extending coaxially therefrom, said coupling sleeve means adapted to receive a portion of said male coupling component means therein; seal means (76, 78) between said male coupling component means and said female coupling component means; pin body means (200) associated with one of said coupling component means and having a plurality of electrical connector pins (208) extending longitudinally therefrom; socket body means (90) associated with the other of said coupling component means and having a plurality of electrical connector sockets therein adapted to engage said pins; alignment means (162, 26) adapted to align said pins with said sockets; and thread means (104, 70) adapted to secure said coupling components together.
<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document with indication, where appropriate, of relevant passages</th>
<th>Relevant to claim</th>
<th>CLASSIFICATION OF THE APPLICATION (Int. Cl.4)</th>
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<tr>
<td>A,D</td>
<td>US-A-3 719 918 (SCHLUMBERGER) * Abstract; figure 1 *</td>
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<td>A</td>
<td>US-A-4 094 567 (HANSEN) * Column 10, lines 29-54; figures 1,2 *</td>
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<td>A</td>
<td>US-A-4 304 456 (BENDIX) * Abstract; figure *</td>
<td>1-4,9</td>
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</table>

The present search report has been drawn up for all claims.

Place of search: THE HAGUE  
Date of completion of the search: 21-06-1988  
Examiner: LOMMEL A.

CATEGORY OF CITED DOCUMENTS

- X: particularly relevant if taken alone
- Y: particularly relevant if combined with another document of the same category
- A: technological background
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T &: member of the same patent family, corresponding document